

1. Write a program to print the following sentences, Hello Everyone and Welcome to the world of Python.

Ans -

```
message="hello everyone and welcome to the world of Python"  
print(message)
```

2. Write a program to print to statements "Hello World" and "I am learning Python". a. Concatenate the strings b. Split the strings

Ans -

```
message1="Hello World"  
message2="I am Learning Python"  
print("Statement 1=", message1)  
print("Statement 2=", message2)  
message3=message1+message2  
print("Concatenated statement=",message3)  
message4=message1.split(' ')  
print("splitted Statement=",message4)
```

3. Write a program to insert student details – Name, Father's name, Hall ticket number, Date of birth, age, Stream of study, College name.

Ans -

```
name=input("Enter the student name:")  
fname=input("Enter father's name:")
```

```
htno=input("Enter hallticket no:")
dob=input("Enter Date of Birth:")
stream=input("Enter the stream of study:")
college=input("Enter the college name")

print("*****")
print("Student Name : ", name)
print("Father's Name : ", fname)
print("Hall-Ticket No : ", htno)
print("Date of Birth : ", dob)
print("Stream of Study : ", stream)
print("College Name : ", college)
```

4. Write a program to prepare the list of rainbow colours and print the second colour in the "Rainbow" list.

Ans - #Write a program to prepare the list of rainbow colours and print

#the second colour in the "Rainbow" list.

```
Rainbow=['Violet','Indigo','Blue','Green','Yellow','Orange','Red']
print("Second Colour=", Rainbow[1])
```

5. Write a program to assign two values to the variables a and b and perform the mathematical operations addition, subtraction, multiplication, division, square of a number.

Ans - a=int(input("Enter the value of A:"))

b=int(input("Enter the value of B:"))

```
Add=a+b
print("Addition=",Add)
Sub=a-b
print("Subtraction=",Sub)
Mult=a*b
print("Multiplication=",Mult)
Div=a/b
print("Division=",Div)
Sq=a**2
print("Square=",Sq)
```

6. Write a program to assign three values to the variables a, b and c and perform the operations addition, multiplication, $((a+b)+c)$, $(a-(b+c))$, $(a*(b+c))$, $(a+(b*c))$, $(a*(b-c))$.

```
Ans - a=int(input("Enter the value of A:"))
b=int(input("Enter the value of B:"))
Add=a+b
print("Addition=",Add)
Sub=a-b
print("Subtraction=",Sub)
Mult=a*b
print("Multiplication=",Mult)
Div=a/b
print("Division=",Div)
Sq=a**2
print("Square=",Sq)
```

7. Write a program to find the maximum and minimum of the given list of numbers.

```
Ans - list=[23,45,12,56,78,90,33,43]
```

```
print("Minimum value=",min(list))
```

```
print("Maximum value=",max(list))
```

8. Write a program to insert two values at random and perform the operations addition, multiplication, subtraction and division and square of a number.

```
Ans - import random
```

```
a=int(random.random()*100)
```

```
b=int(random.random()*100)
```

```
print("Value of A=",a)
```

```
print("Value of B=",b)
```

```
Add=a+b
```

```
print("Addition=",Add)
```

```
Sub=a-b
```

```
print("Subtraction=",Sub)
```

```
Mult=a*b
```

```
print("Multiplication=",Mult)
```

```
Div=a/b
```

```
print("Division=",Div)
```

```
Sq=a**2
```

```
print("Square=",Sq)
```

9. Write a program to insert a number and print "You entered an even number" if the number is even and "You entered an Odd number" if the entered number is odd.

```
num=int(input("Enter a number:"))  
if(num%2==0):  
    print("You have entered an even number")  
else:  
    print("You have entered an odd number")
```

10. Write a program to insert two numbers and print the maximum number.

Ans -

```
mylist=[]  
mylist.insert(0,25)  
mylist.insert(1,34)  
print("Max=",max(mylist))
```